

Lephad common analysis code disucssion , 11 Aug. 2015

Some thoughts for discussion

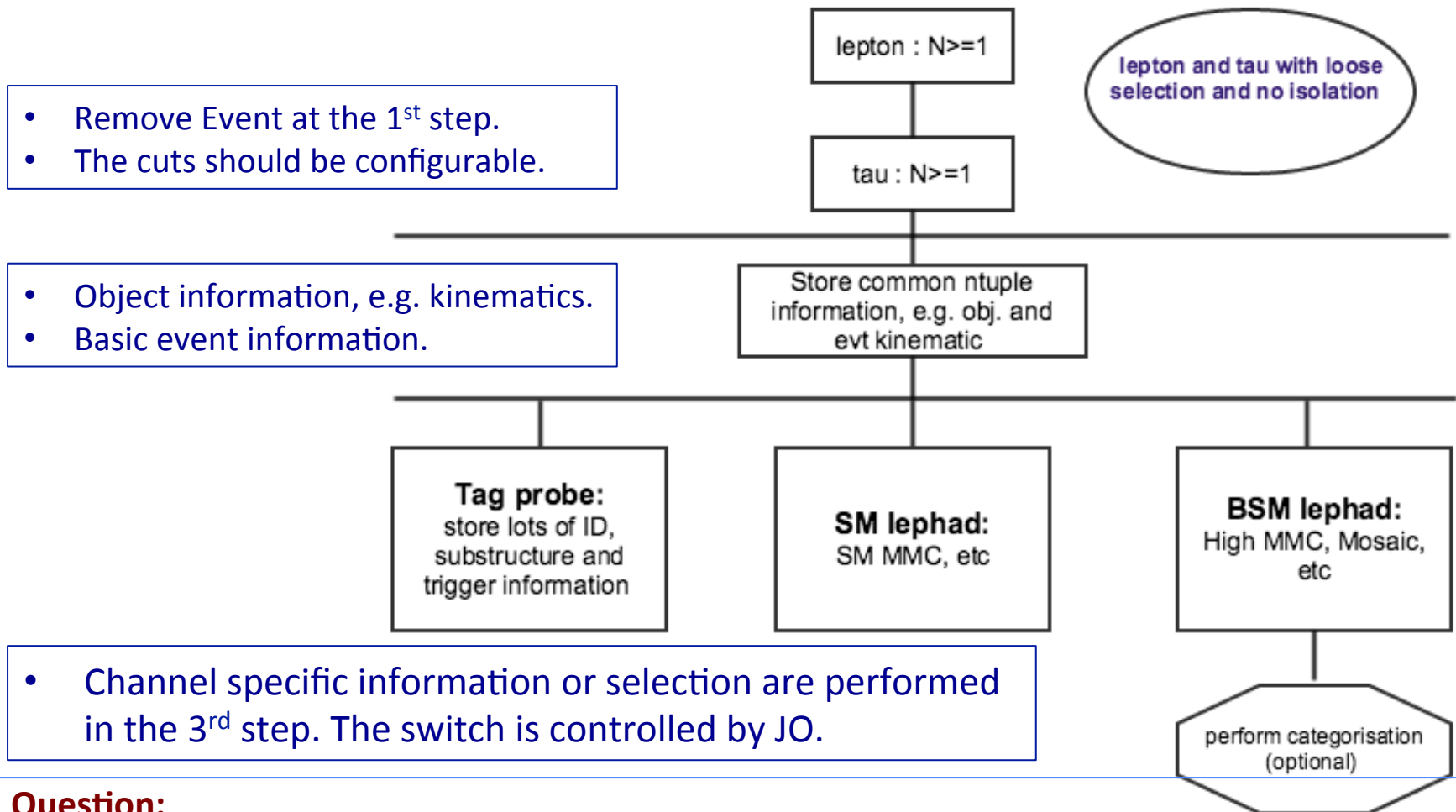
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Request for a common code

- Produce lephad ntuple for nominal analysis and background estimation.
- Large part is common and the selection should be configurable by JO, channel dedicated part is switched by flag set by JO.
- Separated job option (JO), but the structure should be coherent, e.g. order of each block, and each item in the block should be in alphabetical.

Preliminary code workflow for discussion



Question:

- Shall we apply lepton isolation in the 1st step or not?
- If yes, code be complicated due to anti-isolation region. If not, some efficiency is lost for events in which leading lepton is bad and second leading lepton is good.
- Similar situation for tau.

JO structure for discussion

- JO consists of 8 blocks:
 - Channel name, general job setting, GRL, PU, trigger,
 - Truth, Muon, electron, tau, jet, MET
 - di-tau mass, Systematics
- **In order to easily compare, shall we fix the order?**
- In each block, e.g. electron, the option should be ordered in alphabetic way:
 - Maybe some exception, e.g. `ele_overlap_*` and `ele_muon_overlap_*` could be put together.

Discussion for action items

- Work flow
- Code structure
- Time scale

Thank you

Backup